

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	3085	(381/56-59,98,103).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/09/26 18:10
L7	1403	(381/104,107,102).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/09/26 18:11
L8	0	L7 and ((bandpass band-pass) adj2 filters) same ((fixed unchang\$3 unmov\$3 stable static) same (variable chang\$3 dynamic) same level\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/09/26 18:11
S1	996	(381/98).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/09/26 18:10
S2	142	yoshino.in. and (adjust\$3 same frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/10 13:17
S3	2	((("6996240") or ("6072879"))).PN.	USPAT	OR	OFF	2007/04/10 13:06
S4	4	yoshino.in. and (adjust\$3 same frequency) and (fixed near3 level)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/09/25 11:31
S5	1705	(381/56-59).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/10 13:20
S6	0	381/56-59,98,103	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/10 15:48
S7	2985	(381/56-59,98,103).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/10 13:48

## EAST Search History

S8	92	S7 and bandpass near3 filters	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/10 14:12
S9	3	((("4939782") or ("6829360") or ("4461026") or ("6829360")).PN.	USPAT	OR	OFF	2007/04/10 14:12
S10	2985	(381/56-59,98,103).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/10 15:57
S11	5	S10 and (frequency with range with ("500" near2 Hz) with ("2" near2 kHz))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/09/20 11:29
S12	4840	(381/56-59,98,102-109).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/10 15:57
S13	6	S12 and (frequency with range with ("500" near2 Hz) with ("2" near2 kHz))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/10 16:41
S14	1	("5515446").PN.	USPAT	OR	OFF	2007/04/10 16:41
S15	1	S14 and (equaliz\$5 equal)	USPAT	OR	OFF	2007/04/10 16:41
S16	5	S10 and (computer with program with frequency with adjust\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/10 18:01
S17	1	yoshino.in. and (adjust\$3 same frequency) and (fixed near3 level) and program and computer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/10 17:43
S18	9	S10 and (computer same program same (frequency with adjust\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/10 18:07
S19	156	S10 and (computer near2 program)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/10 18:07

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S20	14	S10 and (computer near2 program) same equaliz\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/10 18:07
S21	12	381/98-100,102-109,56-59.ccls. and (plurality near2 equalizers)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/09/25 11:28
S22	1	yoshino.in. and (adjust\$3 same frequency) and (fixed near3 level) and divid\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/09/20 11:35
S23	237	381/98-100,102-109,56-59.ccls. and ((graphic parametric) near2 equalizer\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/09/20 13:23
S24	3	((("20010016046") or ("4458362") or ("6901148")).PN.	US-PGPUB; USPAT	OR	OFF	2007/09/20 13:24
S25	9	pioneer.AS. and (adjust\$3 same frequency) and (fixed near3 level) and equaliz\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/09/20 15:33
S26	140	pioneer.AS. and (adjust\$3 same frequency) and (equaliz\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/09/20 14:00
S27	11	("5416847"   "5485524"   "5615270"   "5617472"   "5789689"   "5838800"   "6035048"   "6097820"   "6125288"   "6167139"   "6445800").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/20 13:31
S28	8	("20010016046"   "4118601"   "4559569"   "4688258"   "4694498"   "4955058"   "6072879"   "6655212").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/20 13:35
S29	3	("4739513"   "5386478"   "5581621").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/20 13:37
S30	2	("5386478"   "5581621").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/20 13:40

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S31	40	pioneer.AS. and (adjust\$3 same frequency) and (sound near2 field near2 correct\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/09/20 14:02
S32	19	ohta.in. and (adjust\$3 same frequency) and (sound near2 field near2 correct\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/09/20 14:03
S33	12	yoshino.in. and (adjust\$3 same frequency) and (sound near2 field near2 correct\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/09/20 14:03
S34	5	tsukada.in. and (adjust\$3 same frequency) and (sound near2 field near2 correct\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/09/20 14:07
S35	8	("20010016046"   "4118601"   "4559569"   "4688258"   "4694498"   "4955058"   "6072879"   "6655212").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/20 14:28
S36	6	381/98-100,102-109,56-59.ccls. and (fixed near2 band\$1) same (variable near2 band\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/09/20 14:38
S37	7	"381"/\$.ccls. and (fixed near2 band\$1) same (variable near2 band\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/09/20 15:32
S38	7	"381"/\$.ccls. and ((fixed target) near2 band\$1) same (variable near2 band\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/09/20 15:32
S39	4	pioneer.AS. and (adjust\$3 same frequency) and (fixed near3 level) and equaliz\$3 and fix\$2 and target	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/09/20 15:33
S40	2	yoshino.in. and (adjust\$3 same frequency) and (fixed near3 level) and equaliz\$3 and fix\$2 and target	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/09/20 15:37

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S41	4	yoshino.in. and (equaliz\$2) and ((fixed target) near3 (level band) with variable)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/09/20 15:38
S42	7	"381"/\$.ccls. and (equaliz\$2) and ((fixed target) near3 (level band) with variable)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/09/20 15:38
S43	228	381/98-100,102-109,56-59.ccls. and (equalizers)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/09/20 15:58
S44	20	("4622691").URPN.	USPAT	OR	OFF	2007/09/20 16:03
S45	5	("5515446").URPN.	USPAT	OR	OFF	2007/09/20 16:06
S46	1	381/98-100,102-109,56-59.ccls. and ((bandpass band-pass) adj2 filters) same ((fixed unchang\$3 unmov\$3 stable static) with (variable chang\$3 dynamic) with level\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/09/25 11:45
S47	2	yoshino.in. and (adjust\$3 same frequency) and ((fixed near3 level) same variable)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/09/25 11:31
S48	5	381/98-100,102-109,56-59.ccls. and ((bandpass band-pass) adj2 filters) same ((fixed unchang\$3 unmov\$3 stable static) same (variable chang\$3 dynamic) same level\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/09/26 18:11
S49	1	381/98-100,102-109,56-59.ccls. and ((fixed unchang\$3 unmov\$3 stable static) near2 level near2 band) same ((variable chang\$3 dynamic) near2 level\$1 near2 band)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/09/25 11:51
S50	8	381/98-100,102-109,56-59.ccls. and ((fixed unchang\$3 unmov\$3 stable static) near2 band) same ((variable chang\$3 dynamic) near2 band)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/09/25 11:51